



Power Engineering and Boiler Operator

TECHNICAL DIPLOMA

Program Code: 30-428-1

Oak Creek Campus

Learn how to manage and repair equipment, to maintain facilities, and to operate and control low-pressure and high-pressure boilers and auxiliary systems in factories, plants and buildings.

Career Outlook

Program graduates have potential for employment as building engineers, boiler operators, facilities maintenance mechanics and power engineers.

You can earn the Boiler Operator certificate on your way to completing this technical diploma.

Program Learning Outcomes

- Follow industry safety standards
- Operate power engineering equipment
- Examine boiler operation effects on the environment
- Perform water treatment tests
- Operate building controls

Admission Requirement

- A high school diploma or GED



Manufacturing, Construction & Transportation
MILWAUKEE AREA Technical College

matc.edu | 414-297-MATC

Start dates: August and January

COURSES	Credits
POWENG-330 Low Pressure Boilers ^	1
POWENG-331 High Pressure Boilers ^	2
POWENG-332 Boiler Operation ^	1
POWENG-334 Blueprint Reading for Power Engineering.....	1
POWENG-335 Instrumentation and Controls	3
POWENG-395 Electricity for Power Engineering	3
BAS-143 Electrical Concepts/Control 1	2
ENG-340 Workplace Communication	2
(or) ENG-195 Written Communication ‡	
POWENG-333 Plant Maintenance and HVAC Basics.....	3
POWENG-336 Math for Power Engineers.....	1
TOTAL CREDITS: 19	

‡ Prerequisite required.
^ Counts toward earning the Boiler Operator certificate.
Program curriculum requirements are subject to change.
All credits must be earned at MATC with 2.0 GPA or higher.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

Possible Careers

- Building Engineer
- Facilities Maintenance Mechanic
- Power Plant Operator
- Power Plant Mechanic
- Heat Plant Operator

Related Programs

- Boiler Operator
- Refrigeration, Air Conditioning and Heating Service Technician
- Electricity
- Building Automated Systems



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matc.edu or 414-297-MATC
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street

MATC Education Center
at Walker’s Square
816 West National Avenue, Milwaukee